

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(US-6723435-\$).did.	USPAT	OR	OFF	2008/01/03 16:51
L2	1	L1 and (pressur\$4) near9 (fluid\$1 liquid\$4 perform fluid\$1 gas slurry) same flow\$3 and (fluid\$1 liquid\$4 perform fluid gas slurry) same (weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/03 16:51
L3	28890	(draw\$4 same (perform\$3 glass\$2)) and (draw\$4 perform\$3) same (fiber\$1 fibre microfiber\$2 nanofiber\$1 microfibrer\$1 nanofibre\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/03 18:05
L4	118335	pressur\$4 near9 (fluid\$1 liquid\$4 perform) same flow\$3 and (fluid\$1 liquid\$4 perform) same (weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/03 18:05
L5	453902	nozzle\$1 same (fluid\$1 liquid\$4 perform flow\$3 weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/03 18:05
L6	154245	(flow\$3 divert\$4 fluid\$1 liquid\$4 perform) near12 (outward\$1 radial\$4 wall\$2 membrane) same (weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/03 18:05
L7	58	L3 and L4 and L5 and L6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/03 18:05
S1	1	10/507278	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/14 15:47
S2	1	S1 and (central adj1 feed same (material pressure same fluid)) and (flow near5 diver\$5 weld\$4 near5 chamber\$2) and (core near7 conduit\$1 same flow\$3) and (nozzle\$1 same (flow weld\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 16:39
S3	1	S1 and (walls same gaps same (core conduit welding chamber)) and (dimens\$5 same wall near5 thick\$5) same (outer perform\$3 greater gap\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 16:37
S4	1	S1 and nozz\$4 same (circ\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 16:37

## EAST Search History

S5	1	S1 and (flow diver\$5) same (core\$1 same conduit same (welding chamber))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 16:37
S6	1	10/507278	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 16:39
S7	1	S6 and (walls same gaps same (core conduit welding chamber)) and (dimens\$5 same wall near5 thick\$5) same (outer perform\$3 greater gap\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 16:37
S8	1	S6 and (central adj1 feed same (material pressure same fluid)) and (flow near5 diver\$5 weld\$4 near5 chamber\$2) and (core near7 conduit\$1 same flow\$3) and (nozzle\$1 same (flow weld\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 16:37
S9	1	S6 and nozz\$4 same (circ\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 16:37
S10	1	S6 and (flow diver\$5) same (core\$1 same conduit same (welding chamber))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 16:37
S11	1	S6 and (fluid\$1 near5 flow\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 16:41
S12	1	S6 and (fluid\$1 and flow\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 19:47
S13	27837	(draw\$4 same (perform\$3 glass\$2)) and (draw\$4 perform\$3) same (fiber\$1 fibre microfiber\$2 nanofiber\$1 microfiber\$1 nanofibre\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 19:52
S14	114141	pressur\$4 near9 (fluid\$1 liquid\$4 perform) same flow\$3 and (fluid\$1 liquid\$4 perform) same (weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 19:56
S15	437764	nozzle\$1 same (fluid\$1 liquid\$4 perform flow\$3 weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 20:15

## EAST Search History

S16	138802	(flow divert\$4 fluid\$1 liquid\$4 perform) near12 (outward\$1 radial\$4 wall\$2 membrane) same (weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 20:11
S17	53	S13 and S14 and S15 and S16	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 20:12
S18	52	S17 and (flow divert\$4 fluid\$1 liquid\$4 perform) near12 (radial\$4 wall\$2 membrane) same (weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 20:12
S19	149277	(flow\$3 divert\$4 fluid\$1 liquid\$4 perform) near12 (outward\$1 radial\$4 wall\$2 membrane) same (weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 20:12
S20	56	S13 and S14 and S15 and S19	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/14 13:10
S21	53	S20 and (flow\$3 divert\$4 fluid\$1 liquid\$4 perform) near12 (radial\$4 wall\$2 membrane) same (weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 20:13
S22	53	S20 and (flow\$3 divert\$4 fluid\$1 liquid\$4 perform) near12 (radial\$4 wall\$2 membrane\$1) same (weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 20:13
S23	43	S22 and nozzle\$1 same (weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/14 12:53
S24	25	S23 and (micro\$5 micrometer\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 20:19
S25	13	S23 and (nano\$5 nanostructur\$3 nanometer\$2 microstruct\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/13 20:20
S26	25	S24 S25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/14 12:09
S27	0	11/649710	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/14 12:46

## EAST Search History

S28	9	(US-20060104582-\$ or US-20020124664-\$ or US-20020079607-\$).did. or (US-6723435-\$ or US-6543886-\$ or US-6533400-\$ or US-6070976-\$ or US-5892142-\$ or US-5660977-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/06/14 12:52
S29	9	S28 and nozzle\$1 same (weld\$4 chamber\$2) and (flow\$3 divert\$4 fluid\$1 liquid\$4 perform) near12 (radial\$4 wall\$2 membrane\$1) same (weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/14 14:13
S30	27875	(draw\$4 same (perform\$3 glass\$2)) and (draw\$4 perform\$3) same (fiber\$1 fibre microfiber\$2 nanofiber\$1 microfibrer\$1 nanofibre\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/14 13:10
S31	114228	pressur\$4 near9 (fluid\$1 liquid\$4 perform) same flow\$3 and (fluid\$1 liquid\$4 perform) same (weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/14 14:08
S32	437993	nozzle\$1 same (fluid\$1 liquid\$4 perform flow\$3 weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/14 13:10
S33	149370	(flow\$3 divert\$4 fluid\$1 liquid\$4 perform) near12 (outward\$1 radial\$4 wall\$2 membrane) same (weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/14 14:25
S34	56	S30 and S31 and S32 and S33	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/03 18:05
S35	13	S34 and optic\$3 near4 (fiber\$1 fibre microfiber\$2 nanofiber\$1 microfibrer\$1 nanofibre\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/14 13:13
S36	9	S34 and optic\$3 near4 (fiber\$1 fibre microfiber\$2 nanofiber\$1 microfibrer\$1 nanofibre\$1) same (draw\$4 perform)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/14 13:13
S37	9	S35 and optic\$3 near4 (fiber\$1 fibre microfiber\$2 nanofiber\$1 microfibrer\$1 nanofibre\$1) same (draw\$4 perform)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/14 13:14
S38	1	(US-6723435-\$).did.	USPAT	OR	OFF	2007/06/14 14:08
S39	1	S38 and (pressur\$4) near9 (fluid\$1 liquid\$4 perform fluid\$1 gas slurry) same flow\$3 and (fluid\$1 liquid\$4 perform fluid gas slurry) same (weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/03 16:51

## EAST Search History

S40	1	S38 and nozzle\$1 same (weld\$4 chamber\$2) and (flow\$3 divert\$4 fluid\$1 liquid\$4 perform) near12 (radial\$4 wall\$2 membrane\$1) same (weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/14 14:13
S41	1	S40 and (flow\$3 divert\$4 fluid\$1 liquid\$4 perform) near12 (outward\$1 radial\$4 wall\$2 membrane) same (weld\$4 chamber\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/14 14:25
S42	1	10/507278	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/14 15:47
S43	1	S42 and mandrel\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/14 15:47
S44	8	(US-20020124664-\$ or US-20020079607-\$).did. or (US-5660977-\$ or US-5892142-\$ or US-6543886-\$ or US-6723435-\$ or US-6533400-\$ or US-6070976-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/06/14 16:29